DISCRETE APPLIED MATHEMATICS
Volume 107, Numbers 1–3, 21 December 2000

Contents

S. Foldes and P.L. Hammer
Disjunctive and conjunctive normal forms of pseudo-Boolean functions 1

R. Génisson and P. Jégou
On the relations between SAT and CSP enumerative algorithms 27

D.S. Hochbaum and A. Pathria
Approximating a generalization of MAX 2SAT and MIN 2SAT 41

N. Klasner and H.U. Simon
General lower bounds on the query complexity within the exact learning model 61

H. Kleine Büning
On subclasses of minimal unsatisfiable formulas 83

O. Kullmann
Investigations on autark assignments 99

J.-L. Marichal
The influence of variables on pseudo-Boolean functions with applications to game theory and multicriteria decision making 139

H. Nagamochi and T. Ibaraki
Polyhedral structure of submodular and posi-modular systems 165

Y. Takenaga and S. Yajima
Hardness of identifying the minimum ordered binary decision diagram 191

A.D. Taylor and W.S. Zwicker
Trading properties and Alexandrov kernels for Boolean functions 203

T. Ueda
Reflectiveness and compression of threshold transformations 215

H. van Maaren and J.P. Warners
Bounds and fast approximation algorithms for binary quadratic optimization problems with application to MAX 2SAT 225

J.P. Warners and H. van Maaren
Solving satisfiability problems using elliptic approximations – effective branching rules 241

Author Index 261